

## EAST Search History

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| L1    | 1    | ("6961244").PN.  | US-PGPUB;<br>USPAT;<br>USOCR   | OR               | OFF     | 2007/08/02 11:03 |
| L2    | 0    | ("20010014029" "3365620" "5309319" "6166937" "6305463" "6388317" "6888722").PN.).PN.   | US-PGPUB;<br>USPAT;<br>USOCR   | OR               | OFF     | 2007/08/02 11:03 |
| L3    | 8    | ("20010014029" "3365620" "5309319" "6166937" "6305463" "6388317" "6888722").PN.  | US-PGPUB;<br>USPAT;<br>USOCR   | OR               | ON      | 2007/08/02 11:38 |
| L4    | 43   | "0124428"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/08/02 11:38 |
| L5    | 23   | lestang  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/08/02 11:39 |
| L7    | 49   | ("5216381" "6150853" "4483592" "20030010938" "4162700" "6216358" "6216358" "4425624" "4321266" "4333709" "5966536" "6035120" "20020179410" "20030011773" "4477772" "4528498" "4246586" "6262409" "6966491" "20050001029" "4774198" "4406732" "5642482" "5781749" "4620980" "4870158" "5613023" "5917189" "5661806" "5875404" "6948315" "20050178124" "4268754" "4937667" "6045761" "4771235" "4817073" "4853622" "4887031" "6142738" "6145987" "6253297" "4865742" "5309533" "5479828" "4888676" "5276421" "5604408" "6118885" "4253727" ).pn. | US-PGPUB;<br>USPAT;<br>USOCR   | OR               | ON      | 2007/08/02 12:15 |
| L8    | 6    | patrick.in. with rondier.in.   | US-PGPUB;<br>USPAT;<br>USOCR   | OR               | ON      | 2007/08/02 12:16 |
| L9    | 9    | michael.in. with fakes.in.   | US-PGPUB;<br>USPAT;<br>USOCR   | OR               | ON      | 2007/08/02 12:17 |

## EAST Search History

|     |      |   |   |    |     |                  |
|-----|------|---|---|----|-----|------------------|
| L10 | 4    | micHEL.in. with fakes.in.   | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON  | 2007/08/02 12:17 |
| L11 | 13   | claudiu.in. with vasilescu.in.  | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON  | 2007/08/02 12:18 |
| L12 | 3    | richard.in. with tellier.in.  | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON  | 2007/08/02 12:18 |
| S1  | 1    | 10/576883   | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON  | 2007/08/02 12:14 |
| S2  | 2    | ((("20030178179") or ("6397935"))).PN.  | US-PGPUB;<br>USPAT;<br>USOCR              | OR | OFF | 2007/08/01 10:27 |
| S3  | 1    | (10/372732).APP.  | USPAT;<br>USOCR                           | OR | ON  | 2007/08/01 10:38 |
| S4  | 136  | (fluid liquid coolant water) same<br>(channel passage passageway) same<br>manifold same (inlet) same (outlet<br>exhaust) same power near4 (device<br>electronic component electrical) and<br>(cool\$3 heat\$3 thermal\$2) | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON  | 2007/08/01 11:00 |
| S5  | 1    | (fluid liquid coolant water) same<br>(channel passage passageway) same<br>manifold same (inlet) same (outlet<br>exhaust) same power near4 (device<br>electronic component electrical) and<br>(cool\$3 heat\$3 thermal\$2) | FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/01 11:00 |
| S6  | 1249 | (cold adj plate)  | FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/01 11:00 |
| S7  | 230  | (cold adj plate) same manifold  | US-PGPUB;<br>USPAT                        | OR | ON  | 2007/08/01 11:01 |
| S8  | 0    | (10/512902).APP.  | USPAT;<br>USOCR                           | OR | ON  | 2007/08/01 11:07 |
| S9  | 2    | ((("5,269,372") or ("5,841,634"))).PN.  | US-PGPUB;<br>USPAT;<br>USOCR              | OR | OFF | 2007/08/01 11:07 |

## EAST Search History

|     |        |  |                              |    |     |                  |
|-----|--------|--|------------------------------|----|-----|------------------|
| S10 | 28     | ("2538658"   "2663551"   "4079410"   "4196775"   "5036384"   "5050037"   "5089936"   "5150274"   "5208728"   "5812372"   "6058010"   "6263959"   "6269866"   "6301097"   "6305463"   "6349035"   "6411512"   "6587336"   "6587343"   "6631077"   "6665187"   "6785135"   "6882533"   "6903931"   "6956392"   "7019395").PN. OR ("7149087").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/08/01 11:11 |
| S11 | 14     | ("3776305"   "3874183"   "3965971"   "4559995"   "4893390"   "5671802"   "5685361"   "6216677"   "6396692"   "6662859"   "6666263").PN. OR ("6745823").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/08/01 11:16 |
| S12 | 11     | ("20020124997"   "3417814"   "3512582"   "4009417"   "4704658"   "4949164"   "5099908"   "6139361").PN. OR ("6662859").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/08/01 11:48 |
| S13 | 23500  | (power adj3 (device component electronic electrical)) same (board substrate PCB PWB)   | US-PGPUB;<br>USPAT           | OR | ON  | 2007/08/01 11:49 |
| S14 | 3799   | ((361/699-703) or (165/80.4)).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/08/01 11:49 |
| S15 | 274    | S13 and S14  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/08/01 11:49 |
| S16 | 28     | ("2538658"   "2663551"   "4079410"   "4196775"   "5036384"   "5050037"   "5089936"   "5150274"   "5208728"   "5812372"   "6058010"   "6263959"   "6269866"   "6301097"   "6305463"   "6349035"   "6411512"   "6587336"   "6587343"   "6631077"   "6665187"   "6785135"   "6882533"   "6903931"   "6956392"   "7019395").PN. OR ("7149087").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/08/01 12:50 |
| S17 | 26684  | nelson.in.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/08/01 12:50 |
| S18 | 12     | S14 and S17  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/08/01 12:57 |
| S19 | 1204   | (361/699).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/08/01 12:57 |
| S20 | 533940 | ((direct adj bond\$2 adj copper) dbc (insulat\$2 adj metal adj substrate) ims)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/08/01 13:37 |

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|     |        |  |  |    |     |                  |
|-----|--------|--|--|----|-----|------------------|
| S21 | 86     | S20 and S14  | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/08/01 12:59 |
| S22 | 8      | ("20010014029"   "3365620"  <br>"5309319"   "6166937"   "6305463"  <br>"6388317"   "6888722").PN. OR<br>("6961244").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/08/01 13:36 |
| S23 | 3      | "11121680"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/01 13:37 |
| S24 | 3      | "2000014150"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/01 13:37 |
| S25 | 145797 | ((direct adj bond\$2 adj copper) dbc<br>(insulat\$2 adj metal adj substrate)<br>ims) and (liquid coolant fluid water)<br>and (cool\$3 heat\$3 thermal\$2)  | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/08/01 16:43 |
| S26 | 365    | ((direct adj bond\$2 adj copper) dbc<br>(insulat\$2 adj metal adj substrate)<br>ims) and (liquid coolant fluid water)<br>and (cool\$3 heat\$3 thermal\$2)  | FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB                                  | OR | ON  | 2007/08/01 14:21 |
| S27 | 1177   | (361/699).CCLS.  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/08/01 14:55 |
| S28 | 1      | (09/916322).APP.   | USPAT;<br>USOCR  | OR | ON  | 2007/08/01 14:37 |
| S29 | 16     | ("3327776"   "3542124"   "4282927"  <br>"4535386"   "4765397"   "4884168"  <br>"5653285"   "5835345"   "5983997"  <br>"5984000"   "6169658"   "6244332"  <br>"6273183").PN. OR ("6648062").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/08/01 14:37 |
| S30 | 16     | ("2039593"   "3327776"   "3361195"  <br>"4432414"   "5099311"   "5179500"  <br>"5275237"   "6039114"   "6257320"  <br>"6535386"   "6536516").PN. OR<br>("6935412").URPN.                             | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/08/01 14:45 |

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|     |      |  |                              |    |     |                  |
|-----|------|--|------------------------------|----|-----|------------------|
| S31 | 40   | ("20030010050"   "3361195"   "4151548"   "4392362"   "4498118"   "4561040"   "4612978"   "4685512"   "4866570"   "4940085"   "4941530"   "5067047"   "5088005"   "5099311"   "5099910"   "5159529"   "5169372"   "5179500"   "5183104"   "5218515"   "5220809"   "5285347"   "5316075"   "5365749"   "5394936"   "5509468"   "5544696"   "5587880"   "5696405"   "5769154"   "5823005"   "5870823"   "6039114").PN. OR ("6679315").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/08/01 14:47 |
| S32 | 14   | ("4962444"   "5179500"   "5504378"   "5562156"   "5576932"   "5666269"   "5697428"   "5937936"   "6257320"   "6269866"   "6296048"   "6388317").PN. OR ("6661658").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/08/01 14:49 |
| S33 | 15   | ("2923640"   "3310102"   "3424238"   "4125152"   "4296804"   "4461347"   "4503907"   "4515210"   "4738307"   "5199486"   "5211220").PN. OR ("5562156").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/08/01 14:50 |
| S34 | 1188 | (361/700).CCLS.  | US-PGPUB;<br>USPAT           | OR | OFF | 2007/08/01 15:04 |
| S35 | 1041 | S34 not S27  | US-PGPUB;<br>USPAT           | OR | ON  | 2007/08/01 15:04 |
| S36 | 235  | (361/701).CCLS.  | US-PGPUB;<br>USPAT           | OR | OFF | 2007/08/01 15:05 |
| S37 | 129  | S36 not S34 not S27  | US-PGPUB;<br>USPAT           | OR | ON  | 2007/08/01 15:05 |
| S38 | 361  | (361/702).CCLS.  | US-PGPUB;<br>USPAT           | OR | OFF | 2007/08/01 15:09 |
| S39 | 256  | S38 not S36 not S34 not S27  | US-PGPUB;<br>USPAT           | OR | ON  | 2007/08/01 15:09 |
| S40 | 401  | (361/703).CCLS.  | US-PGPUB;<br>USPAT           | OR | OFF | 2007/08/01 15:09 |
| S41 | 317  | S40 not S38 not S36 not S34 not S27  | US-PGPUB;<br>USPAT           | OR | ON  | 2007/08/01 15:12 |
| S42 | 1133 | 174/252  | US-PGPUB;<br>USPAT           | OR | ON  | 2007/08/01 15:21 |
| S43 | 1005 | S42 not S40 not S38 not S36 not S34 not S27  | US-PGPUB;<br>USPAT           | OR | ON  | 2007/08/01 15:21 |
| S44 | 2190 | 165/80.4   | US-PGPUB;<br>USPAT           | OR | ON  | 2007/08/01 15:21 |
| S45 | 1063 | S44 not S42 not S40 not S38 not S36 not S34 not S27  | US-PGPUB;<br>USPAT           | OR | ON  | 2007/08/01 16:26 |

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|     |         |  |                              |    |     |                  |
|-----|---------|--|------------------------------|----|-----|------------------|
| S46 | 1       | (09/909536).APP.   | USPAT;<br>USOCR              | OR | ON  | 2007/08/01 15:23 |
| S47 | 38      | ("4208159"   "4370011"   "4573067"  <br>"4604572"   "4721462"   "4787752"  <br>"4791364"   "4848090"   "4962355"  <br>"4982153"   "5001423"   "5086269"  <br>"5126656"   "5164661"   "5166607"  <br>"5294778"   "5309978"   "5315240"  <br>"5343012"   "5360348"   "5420521"  <br>"5523678"   "5528159"   "5807066"  <br>"5821505"   "5844208"   "5846375"  <br>"5847293"   "5847366"   "5851298"  <br>"5854468"   "5927077"   "5966940"  <br>"5993591"   "6024526"   "6084215"  <br>"6166937").PN. OR ("6717115").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/08/01 15:29 |
| S48 | 51      | ("2991627"   "3579821"   "3586102"  <br>"3996092"   "4009423"   "4072188"  <br>"4092697"   "4109707"   "4138692"  <br>"4155402"   "4233645"   "4287883"  <br>"4309592"   "4323914"   "4381032"  <br>"4462224"   "4484623"   "4524757"  <br>"4551787"   "4563375"   "4574876"  <br>"4646815"   "4777561"   "4791983"  <br>"4920574"   "4938279"   "4997032"  <br>"5000256").PN. OR ("5205348").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/08/01 15:57 |
| S49 | 2513478 | ((cold adj plate) (heat adj exchanger)<br>coolant fluid liquid water)  | US-PGPUB;<br>USPAT           | OR | ON  | 2007/08/01 16:25 |
| S50 | 4199    | (165/104.26,104.33,153).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/08/01 16:25 |
| S51 | 2998    | S50 and S49  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/08/01 16:25 |
| S52 | 1906    | S51 not S44 not S42 not S40 not S38<br>not S36 not S34 not S27   | US-PGPUB;<br>USPAT           | OR | ON  | 2007/08/01 16:46 |
| S53 | 533940  | ((direct adj bond\$2 adj copper) dbc<br>(insulat\$2 adj metal adj substrate)<br>ims)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/08/01 16:43 |
| S54 | 86      | S53 and S50  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/08/01 16:45 |
| S55 | 773     | (29/890.03).CCLS.  | US-PGPUB;<br>USPAT           | OR | OFF | 2007/08/01 16:46 |
| S56 | 712     | S55 not S51 not S44 not S42 not S40<br>not S38 not S36 not S34 not S27   | US-PGPUB;<br>USPAT           | OR | ON  | 2007/08/01 16:46 |

## EAST Search History

|     |   |                  |                              |    |     |                  |
|-----|---|------------------|------------------------------|----|-----|------------------|
| S57 | 1 | ("6745823").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/08/01 18:21 |
| S58 | 1 | S57 and aluminum | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/08/01 18:21 |